03500.017990

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of:)

YOSHIHIRO ISHIBE)

Application No.: 10/802,856)

Filed: March 18, 2004)

For: MULTI-BEAM OPTICAL SCANNING)
    DEVICE
)

U.S. Patent No.: 7,145,591)

Issued: December 5, 2006)

Examiner: H. Pham

Group Art Unit: 2861

March 26, 2007

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF CORRECTION
UNDER RULES 322 AND 323

Sir:

It is respectfully requested that a Certificate of Correction be issued by the Patent and Trademark Office due to errors which appear in the printed patent as a result of Patent and Trademark Office mistakes, and mistakes of a clerical, typographical, or minor character, which were not the fault of the Patent and Trademark Office. A Certificate of Correction form, in duplicate, is enclosed.

In the equations at columns 19 to 22, the only correction is a change from the Latin letter "y" to the Greek letter "γ", found in the denominator of each equation.

Accompanying this letter is a check for $100.00 to cover the statutory fee for such Certificate of Correction.

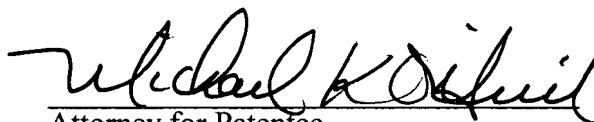03/28/2007 TBESHAH1 00000024 7145591
01 FC:1811   100.00 OP

APR 2 - 2007.

Patentee's undersigned attorney may be reached in our Costa Mesa, California office by telephone at (714) 540-8700. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

Attorney for Patentee
Michael K. O'Neill
Registration No.: 32,622

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
Facsimile: (212) 218-2200

CA_MAIN 129547v1

APR 2 - 2007.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,145,591

DATED : December 5, 2006

INVENTOR(S) : Yoshihiro Ishibe

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 3

Line 56, "polygon;" should read --polygon mirror;--; and
Line 60, "polygon;" should read --polygon mirror;--.

COLUMN 7

Line 22, "titled" should read --tilted--.

COLUMN 19

Expression 7 should read

$$-- \frac{r \tan \dfrac{\eta}{2} \dfrac{d(N-1)}{2f_{col}} \left(\cos\left(2\arctan \dfrac{d(N-1)}{2f_{col}} \right) \right) + \cos\gamma \tan\mu}{\sin\left(\dfrac{\gamma}{2} + \dfrac{\eta}{2} \right)} \frac{Sk}{Sd} --;$$

Expression 8 should read

$$-- \delta all = \left| \delta Y1 - (\delta Y2 + \delta Y3) \right|$$

$$= \left| P(N-1)\sin\beta\tan\theta_{max} - \left(\frac{r \tan \dfrac{\eta}{2} \dfrac{d(N-1)}{2f_{col}} \left(\cos\left(2\arctan \dfrac{d(N-1)}{2f_{col}} \right) + \cos\gamma \tan\eta \right)}{\sin\left(\dfrac{\gamma}{2} + \dfrac{\eta}{2} \right)} \frac{Sk}{Sd} + 9.5\delta\lambda f \right) \right| --;$$

and

MAILING ADDRESS OF SENDER:

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
(212) 218-2100 - Telephone
(212) 218-2200 - Facsimile

Form PTO 1050 (Rev. 3-82)
(Form#30)
CA_MAIN 129550 V1

PATENT NO. 7,145,591

No. of add'l. copies
@ 30¢ per page

APR 2 - 2008

PATENT NO. : 7,145,591

DATED : December 5, 2006

INVENTOR(S) : Yoshihiro Ishibe

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Expression 9 should read

$$-- \delta all = \left| \delta Y1 - (\delta Y2 + \delta Y3) \right|$$

$$= \left| P(N-1)\sin\beta\tan\theta_{max} - \left(\frac{r\tan\frac{\eta}{2}\frac{d(N-1)}{2f_{col}}\left(\cos\left(2\arctan\frac{d(N-1)}{2f_{col}}\right)+\cos\gamma\tan\eta\right)}{\sin\left(\frac{\gamma}{2}+\frac{\eta}{2}\right)}\frac{Sk}{Sd}+9.5\delta\lambda f \right) \right| \le 0.014 \; --.$$

<u>COLUMN 21</u>
Expression 11 should read

$$-- \delta Y2 = \frac{r\tan\frac{n}{2}\tan\frac{\alpha}{2}(\cos\alpha+\cos\gamma\tan\eta)}{\sin\left(\frac{\gamma}{2}+\frac{\eta}{2}\right)}\frac{Sk}{Sd} \; --; \; and$$

Expression 12 should read

$$-- \delta all = \left| \delta Y1 - \delta Y2 \right|$$

$$= \left| P(N-1)\sin\beta\tan\theta_{max} - \frac{r\tan\frac{\eta}{2}\tan\frac{\alpha}{2}(\cos\alpha+\cos\gamma\tan\eta}{\sin\left(\frac{\gamma}{2}+\frac{\eta}{2}\right)}\frac{Sk}{Sd} \right| \; --$$

MAILING ADDRESS OF SENDER:

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
(212) 218-2100 - Telephone
(212) 218-2200 - Facsimile

PATENT NO. 7,145,591

No. of add'l. copies
@ 30¢ per page

Form PTO 1050 (Rev. 3-82)
(Form#30)
CA_MAIN 129550 V1

APR 2 - 2007

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,145,591

DATED : December 5, 2006

INVENTOR(S) : Yoshihiro Ishibe

Page 3 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 22

Expression 13 should read

$$-- \delta all = |\delta Y1 - \delta Y2|$$

$$= \left| P(N-1)\sin\beta\tan\theta_{max} - \frac{r\tan\frac{\eta}{2}\tan\frac{\alpha}{2}(\cos\alpha + \cos\gamma\tan\eta)}{\sin\left(\frac{\gamma}{2}+\frac{\eta}{2}\right)}\frac{Sk}{Sd} \right| \leq 0/014 --.$$

COLUMN 23

Line 38, "by-this" should read --by this--.

COLUMN 24

Line 21, "polygon motor" should read --polygon mirror--.

COLUMN 26

Line 2, "beans" should read --beams--;
Line 10, "minor" should read --mirror--; and
Line 23, "convened" should read --converted--.

Form PTO 1050 (Rev. 3-82)
(Form#30)
CA_MAIN 129550 V1

APR 2 - 2007

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,145,591

DATED : December 5, 2006

INVENTOR(S) : Yoshihiro Ishibe

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 3

Line 56, "polygon;" should read --polygon mirror;--; and
Line 60, "polygon;" should read --polygon mirror;--.

COLUMN 7

Line 22, "titled" should read --tilted--.

COLUMN 19

Expression 7 should read

$$-- \frac{r\tan\frac{\eta}{2}\frac{d(N-1)}{2f_{col}}\left(\cos\left(2\arctan\frac{d(N-1)}{2f_{col}}\right)\right) + \cos\gamma\tan\mu}{\sin\left(\frac{\gamma}{2}+\frac{\eta}{2}\right)}\frac{Sk}{Sd} --;$$

Expression 8 should read

$$-- \delta all = \left|\delta Y1 - (\delta Y2 + \delta Y3)\right|$$

$$= \left| P(N-1)\sin\beta\tan\theta_{max} - \left(\frac{r\tan\frac{\eta}{2}\frac{d(N-1)}{2f_{col}}\left(\cos\left(2\arctan\frac{d(N-1)}{2f_{col}}\right) + \cos\gamma\tan\eta\right)}{\sin\left(\frac{\gamma}{2}+\frac{\eta}{2}\right)}\frac{Sk}{Sd} + 9.5\delta\lambda f\right) \right| --;$$

and

MAILING ADDRESS OF SENDER:

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
(212) 218-2100 - Telephone
(212) 218-2200 - Facsimile

PATENT NO. 7,145,591

No. of add'l. copies
@ 30¢ per page

Form PTO 1050 (Rev. 3-82)
(Form#30)
CA_MAIN 129550 V1

APR 2 - 2007.

PATENT NO.   :   7,145,591

DATED   :   December 5, 2006

INVENTOR(S) :   Yoshihiro Ishibe

Page 2 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Expression 9 should read

$$-- \delta all = \left| \delta Y1 - (\delta Y2 + \delta Y3) \right|$$

$$= \left| P(N-1)\sin\beta\tan\theta_{max} - \left(\frac{r\tan\frac{\eta}{2}\frac{d(N-1)}{2f_{col}}\left(\cos\left(2\arctan\frac{d(N-1)}{2f_{col}} \right) + \cos\gamma\tan\eta \right)}{\sin\left(\frac{\gamma}{2} + \frac{\eta}{2} \right)} \frac{Sk}{Sd} + 9.5\delta\lambda f \right) \right| \leq 0.014 --.$$

COLUMN 21

Expression 11 should read

$$-- \delta Y2 = \frac{r\tan\frac{n}{2}\tan\frac{\alpha}{2}(\cos\alpha + \cos\gamma\tan\eta)}{\sin\left(\frac{\gamma}{2} + \frac{\eta}{2} \right)} \frac{Sk}{Sd} --; \text{ and}$$

Expression 12 should read

$$-- \delta all = \left| \delta Y1 - \delta Y2 \right|$$

$$= \left| P(N-1)\sin\beta\tan\theta_{max} - \frac{r\tan\frac{\eta}{2}\tan\frac{\alpha}{2}(\cos\alpha + \cos\gamma\tan\eta}{\sin\left(\frac{\gamma}{2} + \frac{\eta}{2} \right)} \frac{Sk}{Sd} \right| --$$

PATENT NO.   7,145,591

No. of add'l. copies
@ 30¢ per page

Form PTO 1050 (Rev. 3-82)
(Form#30)
CA_MAIN 129550 V1

APR 2 - 2007.

PATENT NO. : 7,145,591

DATED : December 5, 2006

INVENTOR(S) : Yoshihiro Ishibe   Page 3 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 22

Expression 13 should read

$$-- \delta all = |\delta Y1 - \delta Y2|$$

$$= \left| P(N-1)\sin\beta\tan\theta_{max} - \frac{r\tan\frac{\eta}{2}\tan\frac{\alpha}{2}(\cos\alpha + \cos\gamma\tan\eta)}{\sin\left(\frac{\gamma}{2}+\frac{\eta}{2}\right)}\frac{Sk}{Sd}\right| \leq 0/014 --.$$

COLUMN 23

Line 38, "by-this" should read --by this--.

COLUMN 24

Line 21, "polygon motor" should read --polygon mirror--.

COLUMN 26

Line 2, "beans" should read --beams--;
Line 10, "minor" should read --mirror--; and
Line 23, "convened" should read --converted--.

Form PTO 1050 (Rev. 3-82)
(Form#30)
CA_MAIN 129550 V1

APR 2 - 2007